

IN THE CLAIMS

The status of each claim in the present application is listed below.

Claims 1-35: (Canceled).

36. (New): A high-strength aluminum alloy fin material for heat exchangers having high strength, comprising:

aluminum,
0.8 - 1.4 wt% of Si,
0.15 - 0.7 wt% of Fe,
1.5 - 3.0 wt% of Mn,
0.5 - 2.5 wt% of Zn,
at most 0.05 wt% of Mg,
0.02 wt% or less of Cu, and
the remainder comprises impurities;
wherein said aluminum alloy fin material:
has a tensile strength before brazing of at most 240 MPa;
a tensile strength after brazing of 150 MPa or more; and
a recrystallized grain size after brazing of 500 μm or more.

37 (New): The high-strength aluminum alloy fin material according to Claim 36, comprising from 0.9 to 1.4 wt% of Si.

38. (New): The high-strength aluminum alloy fin material according to Claim 36, comprising from 0.17 to 0.55 wt% of Fe.

39. (New): The high-strength aluminum alloy fin material according to Claim 36, comprising from 2.2 to 3.0 wt% of Mn.

40. (New): The high-strength aluminum alloy fin material according to Claim 36, comprising from 1.0 to 1.5 wt% of Zn.

41. (New): The high-strength aluminum alloy fin material according to Claim 36, wherein the tensile strength before brazing is from 220-240 MPa.

42. (New): The high-strength aluminum alloy fin material according to Claim 36, wherein the tensile strength after brazing is from 150-166 MPa.

43. (New): The high-strength aluminum alloy fin material according to Claim 36, exhibiting a corrosion current density of from 0.6 to 0.9 $\mu\text{A}/\text{cm}^2$.

44. (New): The high-strength aluminum alloy fin material according to Claim 36, exhibiting a sag of from 12.4 to 18.0 mm.

45. (New): The high-strength aluminum alloy fin material according to Claim 36, wherein said impurities comprise Cr, Zr, Ti, and V.

46. (New): The high-strength aluminum alloy fin material according to claim 45, wherein Cr, Zr, Ti and V are present in an amount of at most 0.20 wt%.

47. (New): The high-strength aluminum alloy fin material according to Claim 36, comprising from 1.8 to 3.0 wt% of Mn.

48. (New): The high-strength aluminum alloy fin material according to Claim 36, wherein said recrystallized grain size after brazing is from 2000–5000 μm .

49. (New): The high-strength aluminum alloy fin material according to Claim 36, which consists essentially of said impurities, Si, Fe, Mn, Zn, Mg, Cu, and Al.

50. (New): The high-strength aluminum alloy fin material according to Claim 36, which consists of said impurities, Si, Fe, Mn, Zn, Mg, Cu, and Al.

51. (New): A high-strength aluminum alloy fin material for heat exchangers having high strength, comprising:

aluminum,

1.1 - 1.4 wt% of Si,

0.15 - 0.55 wt% of Fe,

2.2 - 3.0 wt% of Mn,

0.5 - 2.5 wt% of Zn,

at most 0.05 wt% of Mg, and

the remainder comprising impurities;

wherein said aluminum alloy fin material:
has a tensile strength before brazing of at most 240 MPa;
a tensile strength after brazing of 150 MPa or more; and
a recrystallized grain size after brazing of 500 μm or more.

52. (New): The high-strength aluminum alloy fin material according to Claim 51, comprising at most 0.2 wt% of Cu.

53. (New) The high-strength aluminum alloy fin material according to Claim 51, comprising 0.02 wt% or less of Cu.

54. (New): A high-strength aluminum alloy for heat exchangers having high strength, comprising:

aluminum,
0.8 - 1.4 wt% of Si,
0.15 - 0.7 wt% of Fe,
2.33 - 3.0 wt% of Mn,
0.5 - 2.5 wt% of Zn,
at most 0.05 wt% of Mg, and
the remainder comprising impurities;
wherein said aluminum alloy:
has a tensile strength before brazing of at most 240 MPa;
a tensile strength after brazing of 150 MPa or more; and
a recrystallized grain size after brazing of 500 μm or more.

55. (New): The high-strength aluminum alloy according to Claim 54, comprising from 1.1 to 1.4 wt% of Si.

56. (New): The high-strength aluminum alloy according to Claim 54, comprising from 0.15 to 0.55 wt% of Fe.

57. (New): The high-strength aluminum alloy according to Claim 54, comprising from 1.0 to 1.5 wt% of Zn.

58. (New): The high-strength aluminum alloy according to Claim 54, wherein said impurities comprise Cu, Cr, Zr, Ti, and V.

59. (New): The high-strength aluminum alloy according to Claim 54, wherein said recrystallized grain size after brazing is from 2000–5000 μm .

60. (New): The high-strength aluminum alloy according to Claim 54, which consists essentially of said impurities, Si, Fe, Mn, Zn, Mg, and Al.

61. (New) The high-strength aluminum alloy according to Claim 54, which consists of said impurities, Si, Fe, Mn, Zn, Mg, and Al.

62. (New) The high-strength aluminum alloy according to Claim 54, comprising 0.02 wt% or less of Cu.